

Docket No: 24012-56

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on May 25, 2002.

Stephanie Berlepsch  
Stephanie Berlepsch



PATENT

2851-4  
IDS  
RDR  
6/27/02

TECHNOLOGY CENTER 2800

JUN 12 2002

RECEIVED

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Lorin Nash, et al.

Serial No.: 10/073,664

Group Art Unit: 2851

Filed: February 11, 2002

Examiner:

For: **Digital Film Processing Solutions and Method of Digital Film Processing**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98 Applicant herewith submits certain patent references which the Patent & Trademark Office may wish to consider in examining the above-identified application. The references are listed on the attached Form PTO-1449.

Copies of the listed references are also provided. No representation is made or intended that a prior art search has been made or that no better art than that listed is available.

Please charge any fees required, or credit any overpayment, to Deposit Account No. 04-1133.

Respectfully submitted,

By:

Martin J. Miller  
Martin J. Miller  
Registration No. 35953  
Attorney for Applicant(s)  
DINSMORE & SHOHL, LLP  
1900 Chemed Center  
255 East Fifth Street  
Cincinnati, Ohio 45202  
(513) 977-8565

FORM PTO-1449								ATTY. DOCKET	24012-56	SERIAL NO.	10/073,664	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION								APPLICANT	Lorin Nash, et al.			
DISCLOSURE STATEMENT								FILING DATE	February 11, 2002	GROUP	2851	
								FOR: Digital Film Processing Solution and Method of Digital Film Processing				
UNITED STATES LETTERS PATENT												
		DOCUMENT NUMBER						DATE	NAME		CLASS	SUB CLASS
Le		2	4	0	4	1	3	8	Oct. 6, 1941	Mayer, A.L.	95 396	94 604
Le		3	5	2	0	6	8	9	Jul. 14, 1970	Nagae et al.	96 430	55 376
Le		3	5	2	0	6	9	0	Jul. 14, 1970	Nagae et al.	96 430	55 373
Le		3	5	8	7	4	3	5	Jun. 28, 1971	Chioffe	95 435	89 255.7
Le		3	6	1	5	4	7	9	Oct. 26, 1971	Kohler et al.	96 430	48 30
Le		3	6	1	5	4	9	8	Oct. 26, 1971	Aral	96 430	55 468
Le		3	6	1	7	2	8	2	Nov. 2, 1971	Bard	96 430	59 379
Le		3	7	4	7	1	2	0	Jul 17, 1973	Stemme	346	75
Le		3	8	3	3	1	6	1	Sep. 3, 1974	Krumbein	226	92
Le		3	9	0	3	5	4	1	Sep. 2, 1975	Von Meister et al.	354	317
Le		3	9	4	6	3	9	8	Mar 23, 1976	Kyser et al.	346	1
Le		3	9	5	9	0	4	8	May 25, 1976	Stanfield et al.	156	94
Le		4	0	2	6	7	5	6	May 31, 1977	Stanfield et al.	156	554
Le		4	0	8	1	5	7	7	Mar. 28, 1978	Horner	427	424
Le		4	1	4	2	1	0	7	Feb. 27, 1979	Hatzakis et al.	250	571
Le		4	2	1	5	9	2	7	Aug. 5, 1980	Grant et al.	354	317
Le		4	2	4	9	9	8	5	Feb. 10, 1981	Stanfield	156	554
FOREIGN PATENT DOCUMENTS												
		DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUB CLASS
Le		WO 90/01240						Feb. 8, 1990	PCT		H04N	1/40
Le		WO 91/09493						Jun. 27, 1991	PCT		H04N	5/217
Le		WO 97/25652						Jul. 17, 1997	PCT		G03D	5/00
Le		WO 98/19216						May 7, 1998	PCT		G03C	5/29
Le		WO 98/25399						Jun. 11, 1998	PCT		H04N	1/38
Le		WO 98/31142						Jul. 16, 1998	PCT		H04N	5/253
Le		WO 98/34157						Aug. 6, 1998	PCT		G03D	
OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)												
Le		"Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images", Doyle, M., et al., 8306 Magnetic Resonance in Medicine 31, No. 5, Baltimore, MD, May, pp. 546-550, 1994.										
Le		"Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement", Aich, T., et al., Philips GmbH Research Laboratories, IEEE, pp. 335-338, 1996.										
Le		"Adaptive-neighborhood filtering of images corrupted by signal-dependent noise", Rangayyan, R., et al., Applied Optics, Vol. 37, No. 20, pp. 4477-4487, July 10, 1998.										
Le		"Grayscale Characteristics", The Nature of Color Images, Photographic Negatives, pp. 163-168.										
Le		"Parallel Production of Oligonucleotide Arrays Using Membranes and Reagent Jet Printing", Stimpson, D., et al., Research Reports, BioTechniques, Vol. 25, No. 5, pp. 886-890, 1998.										
Le		"Low-Cost Display Assembly and Interconnect Using Ink-Jet Printing Technology", Hayes, D. et al., Display Works '99, MicroFab Technologies, Inc., pp. 1-4, 1999.										
Le		"Ink-Jet Based Fluid Microdispensing in Biochemical Applications", Wallace, D., MicroFab Technologies, Inc., Laboratory Automation News, Vol. 1, No. 5, pp. 6-9, Nov., 1996.										

EXAMINER *Hea Van Le* DATE CONSIDERED *03/24/03*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

ATTY. 24012 | SERIAL NO. 10/073,664

LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATIONAPPLICANT *John Nash, et al.*

FILING DATE February 11, 2002 | GROUP 2851

DISCLOSURE STATEMENT

FOR: Digital Film Processing Solution and Method of Digital Film Processing

## UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
Le		4	2	6	5	5	4	5	May 5, 1981	Slaker	356	431
Le		4	3	0	1	4	6	9	Nov. 17, 1981	Modeen et al.	358	75
Le		4	4	9	0	7	2	9	Dec. 25, 1984	Clark et al.	346	75
Le		4	5	0	1	4	8	0	Feb. 26, 1985	Matsui et al.	354	298
Le		4	5	6	4	2	8	0	Jan. 14, 1986	Fukuda	354	317
Le		4	5	9	4	5	9	8	Jun. 10, 1986	Iwagami	346	140
Le		4	6	2	1	0	3	7	Nov. 4, 1986	Kanda et al.	430	30
Le		4	6	2	3	2	3	6	Nov. 18, 1986	Stella	354	318
Le		4	6	3	3	3	0	0	Dec. 30, 1986	Sakai	358	41
Le		4	6	3	6	8	0	8	Jan. 13, 1987	Herron	346	75
Le		4	6	6	6	3	0	7	May 19, 1987	Matsumoto et al.	356	404
Le		4	6	7	0	7	7	9	Jun 2, 1987	Nagano	358	75
Le		4	7	3	6	2	2	1	Apr. 5, 1988	Shidara	354	317
Le		4	7	4	1	6	2	1	May 3, 1988	Taft et al.	356	376
Le		4	7	4	5	0	4	0	May 17, 1988	Levine	430	21
Le		4	7	5	5	8	4	4	Jul. 5, 1988	Tsuchiya et al.	354	317
Le		4	7	7	7	1	0	2	Oct. 11, 1988	Levine	430	21
Le		4	7	9	6	0	6	1	Jan. 3, 1989	Ikeda et al.	355	73
Le		4	8	1	4	6	3	0	Mar. 21, 1989	Lim	250	578
Le		4	8	2	1	1	1	4	Apr. 11, 1989	Gebhardt	358	75
Le		4	8	4	5	5	5	1	Jul. 4, 1989	Matsumoto	358	80

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
Le		WO 98/34397							Aug. 6, 1998	PCT	H04N	
Le		WO 99/43148							Aug. 26, 1999	PCT	H04N	1/00
Le		WO 99/43149							Aug. 26, 1999	PCT	H04N	1/100
Le		WO 01/01197							Jan. 4, 2001	PCT	G03D	5/00
Le		WO 01/13174 A1							Feb. 22, 2001	PCT	G03D	5/06
Le		WO 01/45042 A1							Jun. 21, 2001	PCT	G06T	5/00
Le		WO 01/50192 A1							Jul. 12, 2001	PCT	G03C	7/407
Le		WO 01/50193 A1							Jul. 12, 2001	PCT	G03C	7/407

## OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

Le	“ <i>Protorealistic Ink-Jet Printing Through Dynamic Spot Size Control</i> ”, Wallace, D., Journal of Imaging Science and Technology, Vol. 40, No. 5, pp. 390-395, Sept/Oct. 1996.
Le	“ <i>MicroJet Printing of Solder and Polymers for Multi-Chip Modules and Chip-Scale Package</i> ”, Hayes, D., et al., MicroFab Technologies, Inc.
Le	“ <i>A Method of Characteristics Model of a Drop-on-Demand Ink-Jet Device Using an Integral Method Drop Formation Model</i> ”, Wallace, D., MicroFab Technologies, Inc., The American Society of Mechanical Engineers, Winter Annual Meeting, pp. 1-9, Dec. 10-15, 1989.
Le	“ <i>Digital Imaging Equipment White Papers</i> ”, Putting Damaged Film on ICE, <a href="http://www.nikonusa.com/reference/whitepapers/imaging">www.nikonusa.com/reference/whitepapers/imaging</a> , Nikon Corporation, Nov. 28, 2000.

EXAMINER *John Nash* DATE CONSIDERED *03/24/03*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	JUN 11 2002	ATTY. DOCKET	24012-56	SERIAL NO.	10/073,664
LIST OF PATENTS AND PUBLICATIONS		APPLICANT	Lorin Nash, et al.		
FOR APPLICANT'S INFORMATION		FILING DATE	February 11, 2002	GROUP	2851
DISCLOSURE STATEMENT		FOR: Digital Film Processing Solution and Method of Digital Film Processing			

**UNITED STATES LETTERS PATENT**

		DOCUMENT NUMBER						DATE	NAME	CLAS S	SUB CLASS	
Le		4	8	5	1	3	1	1	Jul. 25, 1989	Millis et al.	430	30
Le		4	8	5	7	4	3	0	Aug. 15, 1989	Millis et al.	430	30
Le		4	8	7	5	0	6	7	Oct. 17, 1989	Kanzaki et al.	354	325
Le		4	9	6	9	0	4	5	Nov. 6, 1990	Haruki et al.	358	228
Le		4	9	9	4	9	1	8	Feb. 19, 1991	Lingemann	358	214
Le		5	0	2	7	1	4	6	Jun. 25, 1991	Manico et al.	354	299
Le		5	0	3	4	7	6	7	Jul. 23, 1991	Netz et al.	354	317
Le		5	1	0	1	2	8	6	Mar. 31, 1992	Patton	358	487
Le		5	1	2	4	2	1	6	Jun. 23, 1992	Giapis et al.	430	30
Le		5	1	5	5	5	9	6	Oct. 13, 1992	Kurtz et al.	358	214
Le		5	1	9	6	2	8	5	Mar. 23, 1993	Thomson	430	30
Le		5	2	0	0	8	1	7	Apr. 6, 1993	Birnbaum	358	80
Le		5	2	1	2	5	1	2	May 18, 1993	Shiota	354	319
Le		5	2	3	1	4	3	9	Jul. 27, 1993	Takahashi et al.	354	313
Le		5	2	3	5	3	5	2	Aug. 10, 1993	Pies et al.	346	140
Le		5	2	5	5	4	0	8	Oct. 26, 1993	Blackman	15	308
Le		5	2	6	6	8	0	5	Nov. 30, 1993	Edgar	250	330

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLAS S	SUB CLASS
Le	WO 01/50194 A1	Jul. 12, 2001	PCT	G03C	7/407
Le	W0 01/50197 A1	Jul. 12, 2001	PCT	G03C	7/42
Le	WO 01/52556 A2	Jul. 19, 2001	PCT	H04N	9/11
Le	EP 0 261 782 A2	Aug. 14, 1987	Europe	H04N	1/46
Le	EP 0 422 220 A1	Mar. 28, 1989	Europe	A61B	6/03
Le	EP 0 482 790 B1	Sep. 9, 1991	Europe	H04N	1/40
Le	EP 0 525 886 A3	Jul. 21, 1992	Europe	G03D	5/00
Le	EP 0 580 293 A1	Jun. 22, 1993	Europe	H04N	1/04
Le	EP 0 601 364 A1	Jun. 15, 1994	Europe	H04N	1/387
Le	EP 0 669 753 A2	Feb. 24, 1995	Europe	H04N	1/407

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER Vanke DATE CONSIDERED 03/24/03

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	JUN 11 2002	ATTY. DOCKET	24012-56	SERIAL NO.	10/073,664
LIST OF PATENTS AND PUBLICATIONS		APPLICANT	Lorin Nash, et al.		
FOR APPLICANT'S INFORMATION		FILING DATE	February 11, 2002	GROUP	2851
DISCLOSURE STATEMENT		FOR: Digital Film Processing Solution and Method of Digital Film Processing			

**UNITED STATES LETTERS PATENT**

		DOCUMENT NUMBER						DATE	NAME	CLASS	SUB CLASS	
Le		5	2	6	7	0	3	0	Nov. 30, 1993	Giorgianni et al.	358	527
Le		5	2	9	2	6	0	5	Mar. 8, 1994	Thomson	430	30
Le		5	2	9	6	9	2	3	Mar. 22, 1994	Hung	358	527
Le		5	3	3	4	2	4	7	Aug. 2, 1994	Columbus et al.	118	411
Le		5	3	5	0	6	5	1	Sep. 27, 1994	Evans et al.	430	21
Le		5	3	5	0	6	6	4	Sep. 27, 1994	Simons	430	362
Le		5	3	5	7	3	0	7	Oct. 18, 1994	Glanville et al.	354	324
Le		5	3	6	0	7	0	1	Nov. 1, 1994	Elton et al.	430	501
Le		5	3	7	1	5	4	2	Dec. 6, 1994	Pauli et al.	348	262
Le		5	3	9	1	4	4	3	Feb. 21, 1995	Simons et al.	430	21
Le		5	4	1	4	7	7	9	May 9, 1995	Mitch	382	199
Le		5	4	1	6	5	5	0	May 16, 1995	Skye et al.	354	298
Le		5	4	1	8	1	1	9	May 23, 1995	Simons	430	507
Le		5	4	1	8	5	9	7	May 23, 1995	Lahcanski et al.	355	76
Le		5	4	3	2	5	7	9	Jul. 11, 1995	Tokuda	354	293
Le		5	4	3	6	7	3	8	Jul. 25, 1995	Manico	358	503
Le		5	4	4	0	3	6	5	Aug. 8, 1995	Gates et al.	354	298
Le		5	4	4	7	8	1	1	Sep. 5, 1995	Buhr et al.	430	20
Le		5	4	4	8	3	8	0	Sep. 5, 1995	Park	358	520

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
Le	EP 0 768 571 A2	Apr. 16, 1997	Europe	G03D	13/00	
Le	EP 0 794 454 A2	Feb. 28, 1997	Europe	G03B	27/73	
Le	EP 0 806 861 A1	Nov. 12, 1997	Europe	H04N	1/00	
Le	EP 0 878 777 A2	Nov. 18, 1998	Europe	G06T	5/40	
Le	EP 0 930 498 A2	Dec. 21, 1998	Europe	G01N	21/88	

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER *Van Le* DATE CONSIDERED 03/24/03

**EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

EXAMINER Heaven Lee DATE CONSIDERED 03/24/03

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	JUN 11 2002	ATTY. DOCKET	24012-56	SERIAL NO.	10/073,664
LIST OF PATENTS AND PUBLICATIONS		APPLICANT	Lorin Nash, et al.		
FOR APPLICANT'S INFORMATION		FILING DATE	February 11, 2002	GROUP	2851
DISCLOSURE STATEMENT		FOR: Digital Film Processing Solution and Method of Digital Film Processing			

**UNITED STATES LETTERS PATENT**

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
Le		5	6	9	1	1	1	8	Nov. 25, 1997	Haye	430	357
Le		5	6	9	5	9	1	4	Dec. 9, 1997	Simon et al.	430	379
Le		5	6	9	8	3	8	2	Dec. 16, 1997	Nakananada et al.	430	418
Le		5	7	2	6	7	7	3	Mar. 10, 1998	Mehlo et al.	358	474
Le		5	7	3	9	8	9	7	Apr. 14, 1998	Frick et al.	355	40
Le		5	7	7	1	1	0	7	Jun. 23, 1998	Fujimoto et al.	358	464
Le		5	7	9	0	2	7	7	Aug. 4, 1998	Edgar	358	487
Le		5	8	3	5	7	9	5	Nov. 10, 1998	Craig et al.	396	6
Le		5	8	3	5	8	1	1	Nov. 10, 1998	Tsumura	396	598
Le		5	8	7	0	1	7	2	Feb. 9, 1999	Blume	355	27
Le		5	8	8	0	8	1	9	Mar. 9, 1999	Tanaka et. Al.	355	75
Le		5	8	9	2	5	9	5	Apr. 6, 1999	Yamakawa et al.	358	530
Le		5	9	3	0	3	8	8	Jul. 27, 1999	Murakami et al.	382	167
Le		5	9	5	9	7	2	0	Sep. 28, 1999	Kwon et al.	355	38
Le		5	9	6	3	6	6	2	Oct. 5, 1999	Vachtsevanos et al.	382	150
Le		5	9	6	6	4	6	5	Oct. 12, 1999	Keith et al.	382	232
Le		5	9	7	9	0	1	1	Nov. 9, 1999	Miyawaki et al.	15	308
Le		5	9	8	2	9	3	6	Nov. 9, 1999	Tucker et al.	382	233
Le		5	9	8	2	9	3	7	Nov. 9, 1999	Accad	382	239
Le		5	9	8	2	9	4	1	Nov. 9, 1999	Loveridge et al.	382	260
Le		5	9	8	2	9	5	1	Nov. 9, 1999	Katayama et al.	382	284
Le		5	9	8	8	8	9	6	Nov. 23, 1999	Edgar	396	604
Le		5	9	9	1	4	4	4	Nov. 23, 1999	Burt et al.	382	232

## FOREIGN PATENT DOCUMENTS

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER: Hoa Van Le DATE CONSIDERED 03/24/03

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER: DATE CONSIDERED 03/24/03

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.